

GENERAL NOTES:

IN GENERAL, WORK SHALL INCLUDE, BUT NOT BE LIMITED TO:

- 1) THE DETAILED DESIGN, FABRICATION, PROCUREMENT, AND INSTALLATION OF THE FIRE PROTECTION SYSTEMS ADDITIONS AND MODIFICATIONS AS INDICATED ON THE DRAWINGS. THE FIRE PROTECTION SYSTEM MODIFICATIONS FOR THE PERMANENT ALARM SIGNALING CAPABILITIES DURING THE DEMOLITION AND FOLLOWING COMPLETION OF THE PROJECT CONSIST OF THE FOLLOWING:

A) THE CONNECTION OF THE VALVE SUPERVISORY SWITCHES (2) AT THE NEW BACKFLOW ASSEMBLY SERVING BUILDING 51F (LOCATED IN THE TUNNEL) AND THEIR PERMANENT CONNECTION TO THE FACP IN BUILDING 64C USING TRI-B6M MODULES AND SLC.

B) THE CONNECTION OF A NEW FIRE SPRINKLER WATERFLOW SWITCH AT THE NEW CONNECTION TO SERVE THE FIRE SPRINKLERS IN THE TUNNEL AND BUILDING 51F (LOCATED IN THE TUNNEL) AND ITS PERMANENT CONNECTION TO THE FACP IN BUILDING 64C USING TRI-B6M MODULES AND SLC.

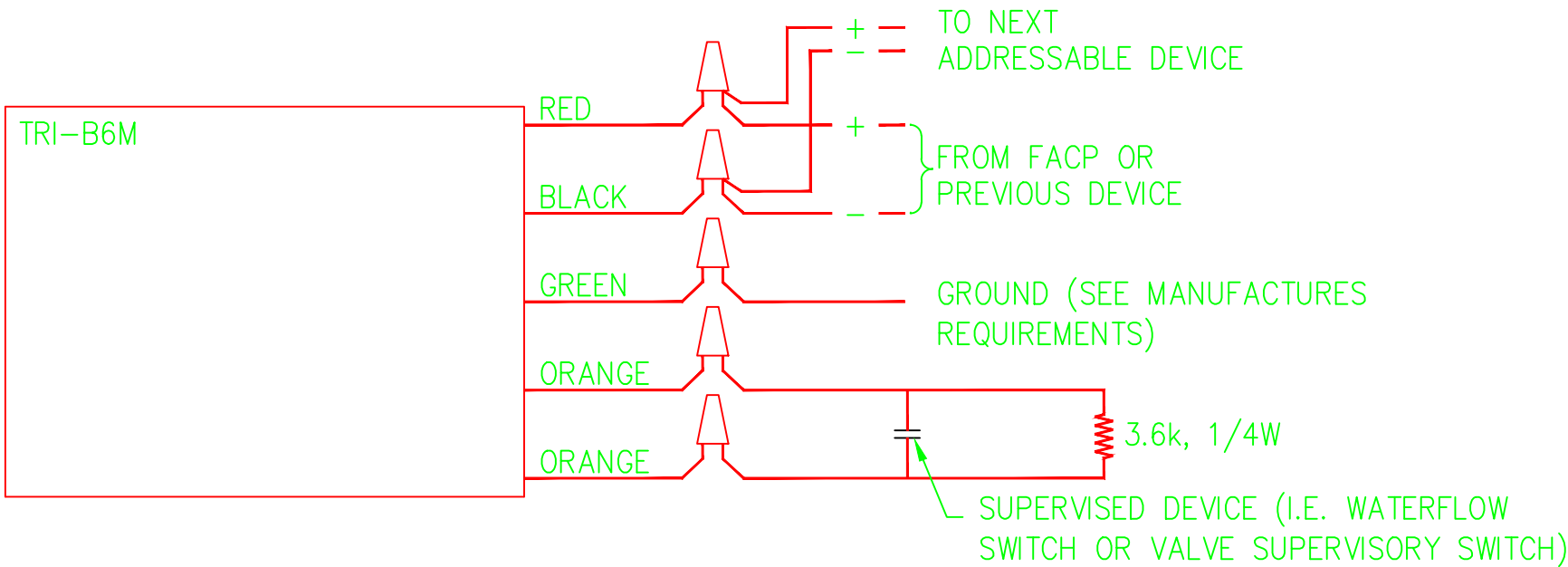
C) THE INSTALLATION OF NEW CONDUIT AND SLC CABLE FROM THE EXISTING FIRE ALARM TERMINAL CAN LOCATED AT THE EAST TUNNEL ENTRANCE TO THE 2 NEW VALVE POSITION SUPERVISORY SWITCHES AND 1 FIRE SPRINKLER WATERFLOW SWITCH.
- 3) ALL PENETRATIONS THROUGH WALLS, FLOORS AND CEILINGS NECESSARY FOR THE INSTALLATION OF THE FIRE PROTECTION SYSTEMS.
- 4) DELETIONS, MODIFICATIONS, AND ADDITIONS TO THE EXISTING FIRE ALARM SYSTEM AS INDICATED.
- 5) SYSTEMS AND DEVICE TESTING.
- 6) THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND IMPLEMENTING ALL SAFETY PROGRAMS AND PROCEDURES FOR THIS PROJECT AND SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.
- 7) THE CONTRACT DRAWINGS ARE DIAGRAMMATIC ONLY. SUBCONTRACTOR SHALL DETERMINE THE ACTUAL MEASUREMENTS AND MAKE ANY AND ALL SUCH LENGTH AND OFFSET ADJUSTMENTS AND FIRE ALARM CONTROL UNIT PROGRAMMING AS MAY BE NECESSARY TO COMPLETE THE INSTALLATION AT NO CHANGE IN THE CONTRACT PRICE. THE DRAWINGS ARE NOT INTENDED TO RELIEVE THE SUBCONTRACTOR OF ANY RESPONSIBILITY FOR AVOIDING CONFLICTS OR OBSTRUCTIONS, OR FOR INSTALLING THE FIRE ALARM DEVICES AND EQUIPMENT AS REQUIRED TO PROVIDE PROTECTION OF THE DESIGNATED AREAS IN ACCORDANCE WITH THE REQUIREMENTS OF THE REFERENCED STANDARDS AND THE SPECIFICATIONS. WRITTEN APPROVAL SHALL BE OBTAINED FROM THE OWNER'S REPRESENTATIVE PRIOR TO MAKING ANY MAJOR DEVIATIONS FROM THE ARRANGEMENT AND LAYOUT SHOWN ON THE DRAWINGS.
- 8) ALL EQUIPMENT SHALL BE NEW, AND APPROVED AND/OR LISTED BY UNDERWRITERS' LABORATORIES OR FACTORY MUTUAL.
- 9) SYSTEM, EQUIPMENT, INSTALLATION, AND MATERIALS AND METHODS USED SHALL COMPLY WITH THE FOLLOWING:

A) THE REQUIREMENTS OF THE LAWRENCE BERKELEY NATIONAL LABORATORY.

B) NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 72 NATIONAL FIRE ALARM CODE, CURRENT EDITION.

C) CALIFORNIA BUILDING AND FIRE CODES, 2007 EDITIONS.

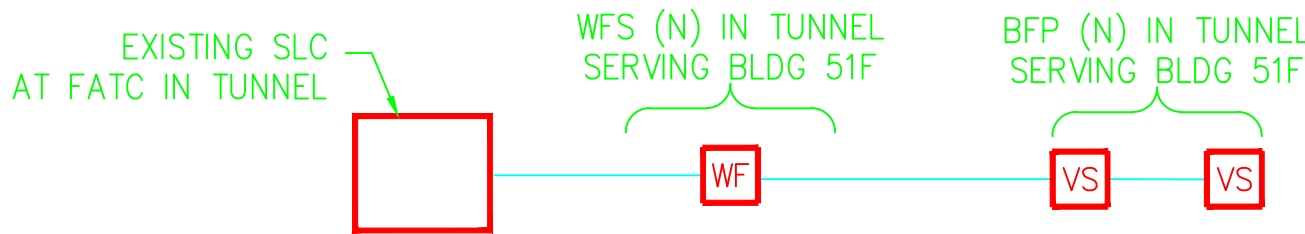
D) MANUFACTURER'S RECOMMENDATIONS AND GUIDELINES.



1
FA1.0

TYPICAL TRI-B6M MODULE WIRING

SCALE: NONE



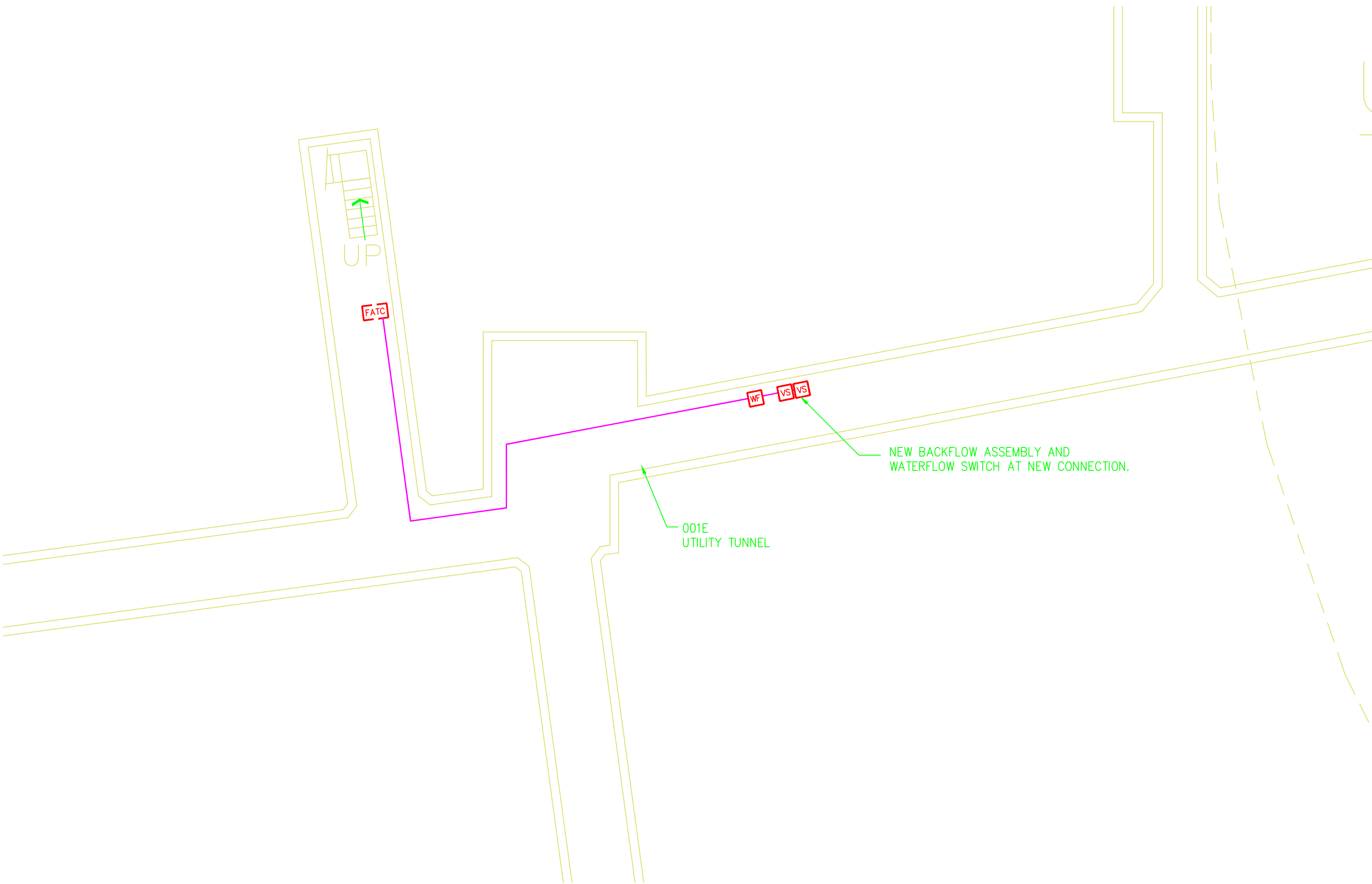
2
FA1.0

NEW SLC RISER DIAGRAM

SCALE: NONE

LEGEND

- FATC
- EXISTING FIRE ALARM TERMINAL CAN
- WF
- WATERFLOW SWITCH
- VS
- VALVE POSITION SUPERVISORY SWITCH
-
- FIRE ALARM RACEWAY



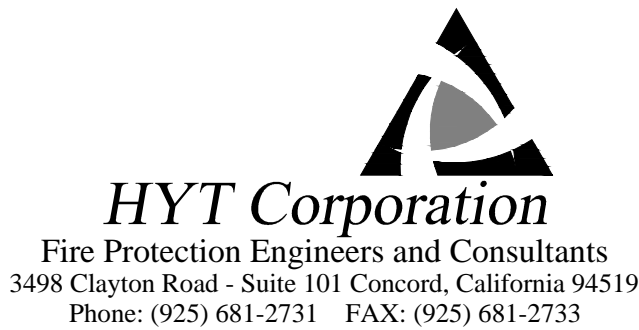
3
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PARTIAL FIRE ALARM PLAN

SCALE: 1/8"=1'-0"

RFP932

DRAWN BY	DWH	DATE	04/07/10
CHECKED BY	BBT	DATE	04/07/10
APPROVED BY			
CAD FILE PATH			
SCALE	As Noted		
DRAWING NO.	4B51E164	SHEET	FA1.0
PROJECT NO.	OF		



100%
FINAL DESIGN
04/07/10

51
DEMOLITION PROJECT
FIRE ALARM SYSTEM MODIFICATIONS



UNIVERSITY OF CALIFORNIA
LAWRENCE BERKELEY NATIONAL LABORATORY

FACILITIES DIVISION

CONSULTING FIRM

CONSULTING FIRM

CONSULTING A/E FIRM

PROFESSIONAL SEAL
(IF REVISION, APPLIES ONLY TO REVISED WORK)

ISSUE (PROGRESS, ESTIMATE, BD, CONSTRUCTION, CONFORMED, REVISION, AS-BUILT)

REVISION NUMBER DRAWN BY CHECKED BY APPRO'D BY DATE REMARKS